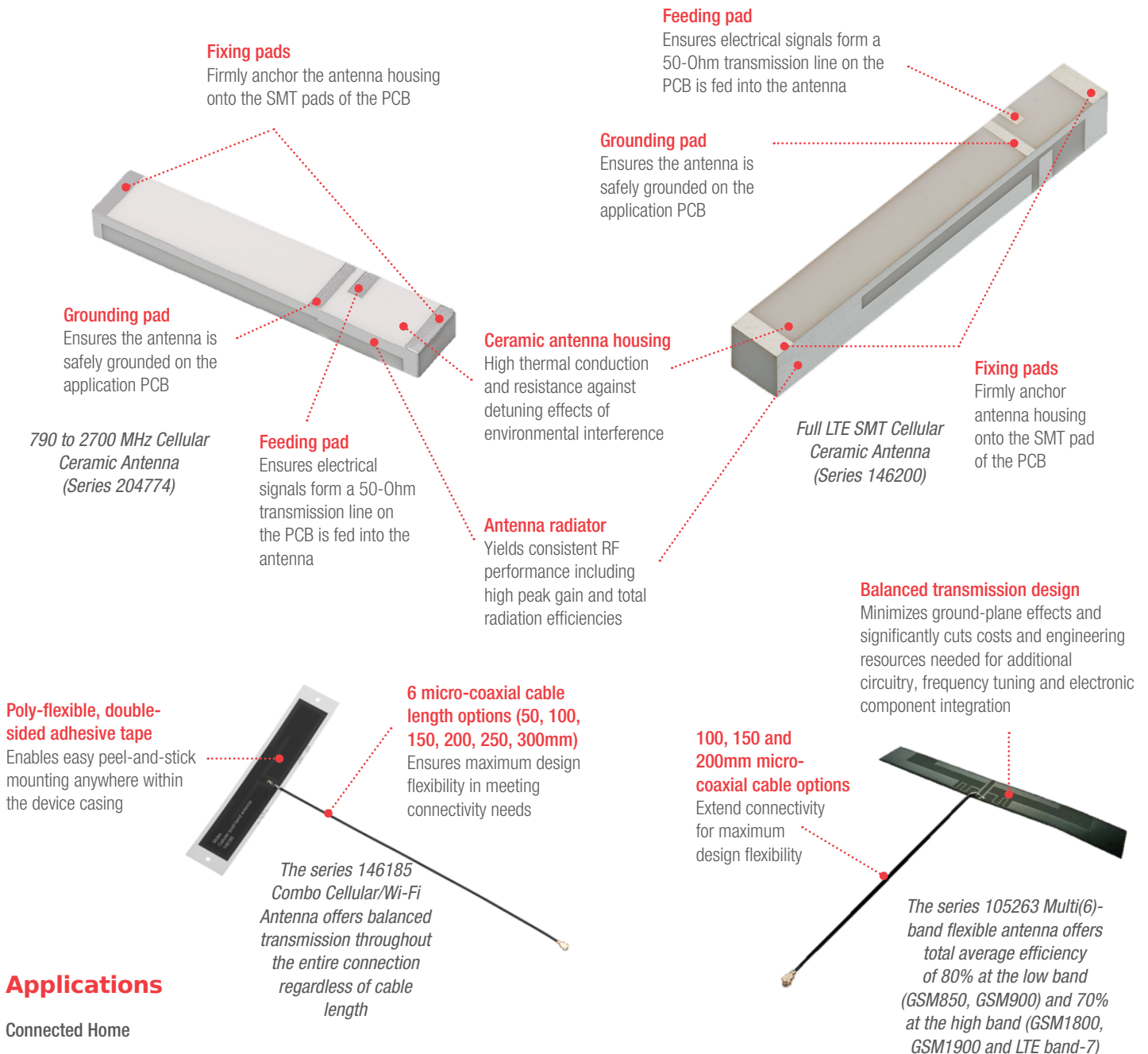


Cellular Antennas



Cellular 790 to 2700 MHz antenna augments antenna product line to provide extended cellular bands spanning 698 to 2700 MHz for IoT applications

Features and Benefits



Applications

Connected Home

- Security and Surveillance
- Home Automation
- Home Streaming Entertainment
- Smart Appliances
- Energy and Utilities

Wireless Infrastructure

- Wireless Solutions

Telecommunications/Networking

- Infrastructure/Networking

Commercial Vehicles

- Networking



Connected Home

Specifications

REFERENCE INFORMATION

Packaging: Tape on reel (204774, 146200) :
 PE film (146185)
 Tray (105263)
 Reference Platform:
 130.00 by 60.00 by 0.80mm PCB (204774)
 130.00 by 60.00 by 1.00mm PCB (146200)
 Designed In: Millimeters
 RoHS: Yes
 Halogen Free: Yes
 Ground clearance:
 Refer to Application Specifications

ELECTRICAL

Voltage (Watt): 2
 Return Loss - S11(dB):
 Refer to Product and Application Specifications
 Average Total Radiation Efficiency(%):
 Refer to Product and Application Specifications
 Peak Gain (dBi):
 Refer to Product and Application Specifications
 Polarization: Linear
 Input Impedance (Ohms): 50

MECHANICAL

Shear Force: 20N min. (204774)
 50N min. (146200)
 Cable Pull Test: 8.0N min. (146185)
 5.0N min. (105263)

PHYSICAL

Housing: Ceramic (204774, 146200)
 Plating: Silver 8-10µm (204774, 146200)
 Flexible Material Thickness: 0.11mm (146185)
 0.10mm (105263)
 Operating Temperature: -40 to 125°C (204774)
 -40 to 85°C (146200, 105263)
 -30 to 85°C (146185)

Ordering Information

Series No.	Description	Frequency Bands	Dimensions
204774	Cellular 970 to 2700 MHz Ceramic Antenna	790 to 960 MHz and 1.7 to 2.7 GHz	33.00 by 6.00 by 3.00mm
146200	Full LTE SMT Ceramic Antenna	698 to 960; 1.7 to 2.70 GHz	40.00 by 5.00 by 5.00mm
146185	Combo Cellular/Wi-Fi Flexible Antenna	824 to 960 MHz;	84.00 by 15.00mm
		1.71 to 2.7 GHz and 3 to 6 GHz	
105263	Multi(6)-band Flexible Antenna	824 to 960 MHz;	106.60 by 13.00mm
		1.71 to 2.7 GHz	

www.molex.com/link/standard_antennas.html